

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/079894 A1

(51) International Patent Classification⁷: A61M 11/00

(21) International Application Number:
PCT/EP2005/002157

(22) International Filing Date: 24 February 2005 (24.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1025556 24 February 2004 (24.02.2004) NL
1026154 10 May 2004 (10.05.2004) NL

(71) Applicant and

(72) Inventor: KOREVAAR, Jacob [NL/NL]; Westergracht
41 Zwart, NL-2013 ZK Haarlem (NL).

(72) Inventors: LUGTIGHEID, Gerardus, Wilhelmus;
Dilledonk Noord 23, NL-3206 BW Spijkenisse (NL).
ESSER, Ralf; Wehrstrasse 71, 53773 Hennef (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

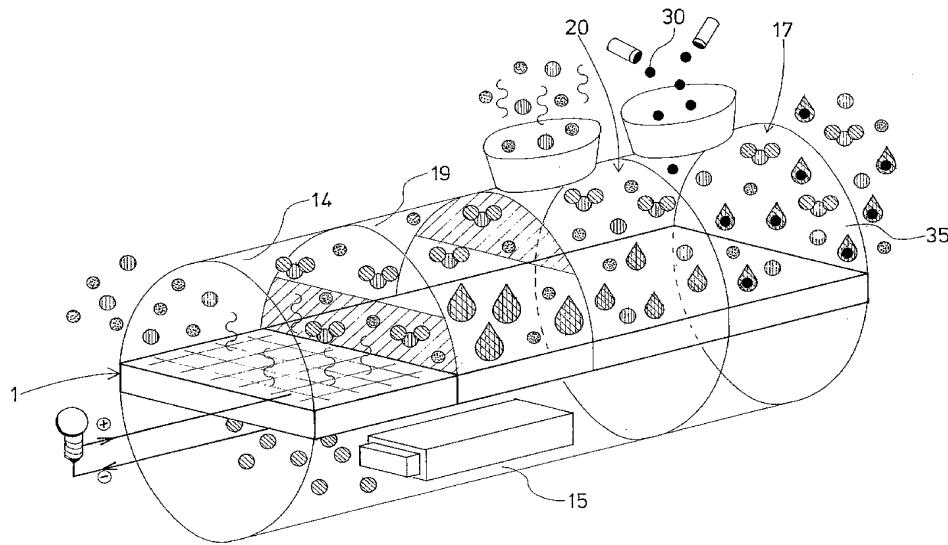
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DEVICE AND METHOD FOR ADMINISTRATION OF A SUBSTANCE TO A MAMMAL BY MEANS OF INHALATION



(57) Abstract: The present invention relates to a device and a method for administration of a substance to a mammal by means of inhalation. The device according to the invention comprises: - aerosol means, for creating an aerosol, - control means, for manipulating the aerosol in order to thereby control the particle size of the aerosol, wherein - the device is provided with supply means for adding a substance to the aerosol, prior to or upon release of the aerosol from the device. The device according to the present invention is suitable for pulmonary delivery of substances, such as drugs.

WO 2005/079894 A1